| Ref<br># | Hits   | Search Query  | DBs                 | Default<br>Operator | Plurals | Time Stamp       |
|----------|--------|---|---------------------|---------------------|---------|------------------|
| L1       | 3      | (("6114048") or ("6362530") or<br>("6490161")).PN.  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:40 |
| L2       | 642975 | trench\$2.clm. or isolation.clm. or opening\$1.clm.   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:41 |
| L3       | 133439 | 2 and (etch\$3 or pattern\$3)   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:41 |
| L4       | 48298  | 3 and (mask or photoresist or resist)   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:42 |
| L5       | 11144  | 4 and ((etch\$3 or pattern\$3) near10 (below or lower))   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:42 |
| L6       | 4822   | 5 and (isolation or STI or (trench adj isolation))  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:43 |
| L7       | 4596   | 6 and (oxide or nitride)  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:44 |
| L8       | 2136   | 7 and ("etch\$3." "clm." or pattern\$3.clm.)  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:44 |
| L9       | 1853   | 8 and ((trench\$2 or opening\$2 or hole\$2) near10 (fill\$3 or cover\$3 or insulat\$3 or dielectric)) | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:45 |
| L10      | 1538   | 8 and ((trench\$2 or opening\$2 or hole\$2) near10 (fill\$3 or cover\$3 ))                            | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:45 |
| L11      | 1441   | 10 and (etch\$3 near10 (insulat\$3 or dielectric or oxide))   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:46 |
| L12      | 961    | 10 and (etch\$3 near10 (insulat\$3 or dielectric or oxide)).clm.                                      | US-PGPUB;,<br>USPAT | OR                  | OFF     | 2005/02/17 21:46 |
| L13      | 596    | 12 and (trench near3 isolation)   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:47 |
| L14      | 582    | 13 and ((trench\$2 or opening\$1 or hole\$1) near5 (insulat\$3 or dielectric or oxide))               | US-PGPUB;<br>USPAT  | OR :                | OFF     | 2005/02/17 21:47 |
| L15      | 489    | 13 and ((trench\$2 or opening\$1 or hole\$1) near5 (insulat\$3 or dielectric or oxide)).clm.          | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:48 |
| L16      | 310    | 15 and (anisotropical\$3 or (reactive adj ion) or (plasma adj etch\$3))                               | US-PGPUB;<br>USPAT  | OR .                | OFF     | 2005/02/17 21:48 |
| L17      | 310    | 16 and (etch\$3 near8 (insulat\$3 or dielectric or oxide))  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:49 |
| L18      | 307    | 16 and (etch\$3 near8 (insulat\$3 or dielectric or oxide)).clm.                                       | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:49 |
| L19      | 305    | 18 and substrate  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:49 |
| L20      | 285    | 18 and substrate.clm.   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2005/02/17 21:49 |

| L21 | 191 | 20 and (isolation.clm. or STI.clm.) | US-PGPUB; | OR | OFF | 2005/02/17 21:50 |
|-----|-----|-------------------------------------|-----------|----|-----|------------------|
|     |     |                                     | USPAT     |    |     |                  |